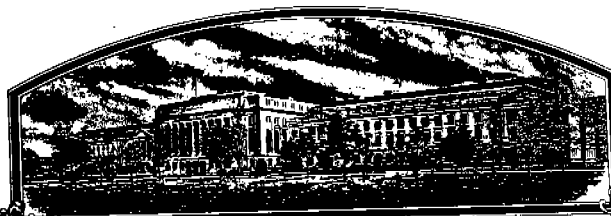


No.

7800021



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**Callahan Enterprises, Inc.**

Whereas, THERE HAS BEEN PRESENTED TO THE  
**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS DED BY THE OWNER OF THE RIGHTS. (34 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'Rockford'

In Testimony Whereof, I have hereunto set  
my hand and caused the seal of the Plant  
Variety Protection Office to be affixed  
at the City of Washington  
this 20th day of September in  
the year of our Lord one thousand nine  
hundred and seventy-eight

Attest

*Sumner B. Lee*  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*B. B. Dwyer*  
Secretary of Agriculture

EXHIBIT A

1. Rockford is an F-5 selection using the Bulk Procedure of a cross of Altona x Wells.
2. Initial evaluation was conducted as follows:  
  
F-6 - Two row testing - 3 locations, 3 reps  
  
F-7 - Four row testing - 7 locations, 3 reps  
  
F-8 - Progeny rows used as source of breeder seed
3. Small % of off types noted through F-7. Off types eliminated through progeny row multiplication.
4. Have noted no subsequent off type. Additionally, progeny rows will continue to be used assuring maintenance of purity.

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY 76-50619	1b. VARIETY NAME Rockford	FOR OFFICIAL USE ONLY PV NUMBER 7800021	
2. KIND NAME Soybean	3. GENUS AND SPECIES NAME Glycine max	FILING DATE 1-9-78	TIME 10:00 A.M.
4. FAMILY NAME (BOTANICAL) Leguminosae	5. DATE OF DETERMINATION November 1975	FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00	DATE 1-9-78 1-9-78 4-14-78
6. NAME OF APPLICANT(S) Callahan Enterprises, Inc.	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 720 W. 169th St. Westfield, Indiana 46074	8. TELEPHONE AREA CODE AND NUMBER 317-896-5551	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation	10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION Indiana	11. DATE OF INCORPORATION 1971	
12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers: John W. Henschen Callahan Enterprises, Inc. 720 W. 169th St. Westfield, IN 46074			
13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED: <input checked="" type="checkbox"/> 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.) <input checked="" type="checkbox"/> 13B. Exhibit B, Novelty Statement. <input checked="" type="checkbox"/> 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.) <input type="checkbox"/> 13D. Exhibit D, Additional Description of the Variety.			
14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a). (If "Yes," answer 14B and 14C below.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
14B. Does the applicant(s) specify that this variety be limited as to number of generations? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		14C. If "Yes," to 14B, how many generations of production beyond breeder seed? <input checked="" type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED	
15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
16. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties. Dec 22, 1977 (DATE) John W Henschen (SIGNATURE OF APPLICANT) 1 (SIGNATURE OF APPLICANT)			

## INSTRUCTIONS

**GENERAL:** Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, National Agricultural Library, Beltsville, Maryland 20705. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

## ITEM

- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give (1), the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. (2), the details of subsequent stages of selection and multiplication. (3), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties; (1) identify these varieties and state all differences objectively; (2) Attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.

14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

## EXHIBIT B (Revised)

Primary area of novelty of Rockford is its resistance to races III & IV of phytophthora root rot. Rockford is also resistant to Races I & II of phytophthora. The variety most similar to Rockford would be Wells. Rockford is superior to Wells in emergence, and has additional phytophthora root rot resistance (Races III & IV).

OBJECTIVE DESCRIPTION OF VARIETY  
SOYBEAN (GLYCINE MAX)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S) Callahan Enterprises, Inc.	FOR OFFICIAL USE ONLY
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) 720 W. 169th St. Westfield, Indiana 46074	PVPO NUMBER 7800021
	VARIETY NAME OR TEMPORARY DESIGNATION ROCKFORD

Place the appropriate number that describes the varietal character of this variety in the boxes below.

## 1. SEED SHAPE:

1	1 = SPHERICAL	2 = SPHERICAL FLATTENED	3 = ELONGATE	4 = OTHER (Specify)
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## 2. SEED COAT COLOR:

1	1 = YELLOW	2 = GREEN	3 = BROWN	4 = BLACK
	5 = OTHER (Specify)			

## SHADE:

2	1 = LIGHT	2 = MEDIUM	3 = DARK
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## 3. SEED COAT LUSTER:

2	1 = DULL	2 = SHINY
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## 4. SEED SIZE

1	9	GRAMS PER 100 SEEDS
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## 5. HILUM COLOR:

5	1 = BUFF	2 = YELLOW	3 = BROWN	4 = GRAY	5 = IMPERFECT BLACK
	6 = BLACK 7 = OTHER (Specify)				

## SHADE:

2	1 = LIGHT	2 = MEDIUM	3 = DARK
---	-----------	------------	----------

## 6. COTYLEDON COLOR:

2	1 = YELLOW	2 = GREEN
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## 7. LEAFLET SIZE (See Reverse):

2	1 = SMALL	2 = MEDIUM	3 = LARGE
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## 8. LEAFLET SHAPE:

1	1 = OVATE	2 = OBLONG	3 = LANCEOLATE	4 = ELLIPTICAL	5 = OTHER (Specify)
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## 9. LEAF COLOR (See reverse):

2	1 = LIGHT GREEN	2 = MEDIUM GREEN	3 = DARK GREEN
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## 10. FLOWER COLOR:

2	1 = WHITE	2 = PURPLE
	3 = OTHER (Specify)	

## 11. POD COLOR:

2	1 = TAN	2 = BROWN	3 = BLACK
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## 12. POD SET:

1	1 = SCATTERED	2 = CONCENTRATED
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## 13. PLANT PUBESCENCE COLOR:

1	1 = GRAY	2 = BROWN	3 = OTHER (Specify)
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## SHADE:

2	1 = LIGHT	2 = MEDIUM	3 = DARK
---	-----------	------------	----------

## 14. PLANT TYPES (See Reverse):

3	1 = SLENDER	2 = BUSHY	3 = INTERMEDIATE
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## 15. PLANT HABIT:

2	1 = DETERMINATE	2 = INDETERMINATE
	3 = OTHER (Specify)	

## 16. HYPOCOTYL COLOR:

2	1 = GREEN	2 = PURPLE
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## 17. SEED PROTEIN:

	1 = A	2 = B
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## 18. NUMBER OF DAYS TO FLOWERING

(Place a zero in first box (e.g. 0-9) when days are 9 or less.)

5	0
---	---

## 19. MATURITY GROUP:

4	1 = 00	2 = 0	3 = I	4 = II	5 = III
	6 = IV	7 = V	8 = VI	9 = VII	10 = VIII

## 20. SIZE OF 10 DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (Growth Chamber) AT 25° C. (Place a zero in first box (e.g. 0-2) when size is 9 mm. or less.)

1	3	8	MM. LENGTH OF SEEDLING	1	4	MM. LENGTH OF COTYLEDON	0	7	MM. WIDTH OF COTYLEDON
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## 21. DISEASE: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

1	BACTERIAL PUSTULE	0	SOYBEAN CYST	2	DOWNY MILDEW	0	PURPLE STAIN	0	POD AND STEM BLIGHT	0	ROOT KNOT
0	FROGEYE	0	STEM CANKER	2	PHYTO-PHTHORA	0	BROWN STEM ROT	0	TARGET SPOT	0	BROWN SPOT
0	BUD BLIGHT	0	WILDFIRE	0	RHIZOCTONIA ROT	2	OTHER (Specify)	Phytophthora Races I-IV			

## 22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant shape	Amsoy 71	Petiole angle	Amsoy 71
Leaf shape	Wells	Seed size	Wells
Leaf color	Wells	Seed shape	Wells
Leaf surface	Wells	Seedling pigmentation	Wells

## 23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY:

VARIETY	NO. OF DAYS TO MATURITY	LODGING SCORE	PLANT HEIGHT	LEAF SIZE		CONTENT		AVERAGE NO. OF PODS PER PLANT	IODINE NO.
				Width	Length	Protein	Oil		
Submitted	114	3	36	45 mm	80 mm	39	19 %	35	--
Name of similar variety Amsoy 71	117	3	39	48 mm	78 mm	37	20	35	--

## INSTRUCTIONS

**GENERAL:** The following publications may be used as a reference aid for completing this form:

1. Scott, Walter O. and Samuel R. Aldrich, 1970, Modern Soybean Production, The Farmer Quarterly.
2. Norman, A. G., 1963, The Soybean: Genetics, Breeding, Physiology, Nutrition, Management.
3. McKie, J. W., and K. L. Anderson, 1970, The Soybean Book.

**LEAF COLOR:** Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following Soybean varieties may be used as a guide to identify the colors listed on the form.

COLOR	VARIETY
Light Green	"Ada"
Medium Green	"Wilkin"
Dark Green	"Swift"

**LEAF SIZE:** The following varieties may be used as a guide to identify the relative size leaves.

SIZE	VARIETY
Small	"Amsoy"
Medium	"Bonus"
Large	"Anoka"

**PLANT TYPE:** The following varieties may be used as a guide to identify the plant type.

TYPE	VARIETY
Slender	"Vansoy"
Intermediate	"Wirth"
Bushy	"Adelphia"